



Techniques and Applications for Mobile Commerce

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Mobile Commerce (M-Commerce) comprises applications and services that are accessible from Internet-enabled mobile devices. It involves new technologies, services and business models. While it is different from traditional e-Commerce it can also be seen as an extension of e-Commerce in the sense that it, among others, makes e-Commerce available in a modern way to new application areas and to a new set of customers. The Internet is on its way to leave traces in all aspects of our life independently of where we are. Already today, mobile phones and PDAs are an indispensable part of our life as a source for all kinds of information and services and, especially, as our permanently available interface to our environment. Very soon they will turn into widespread intelligent assistants capable of anticipating many of our wishes and needs, but, for all these changes to happen, key issues of interoperability, usability, security and privacy still need to be addressed. The Techniques and Applications for Mobile Commerce (TAMoCo) conference series addresses these issues. It provides scientists, practitioners, and students with a platform to discuss the latest trends in the exciting above mentioned areas. This book is structured into three parts; Wireless Technologies for the Extended Enterprise: Current State and Future Developments; E-Service Environments: Aspect-Oriented Techniques and Mobile Devices; and AutoMoCo: Autonomic Computing and Mobile Commerce.

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Invited Talks

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- The Mobile Payment Paradox – Current Research Issues on Yesterday's Future Payment Instrument/ *K. Pousttchi*

Wireless Technologies for the Extended Enterprise: Current State and Future Developments

- Surveying Users' Opinions and Trends Towards Mobile Payment Issues/ *I. Androulidakis, C. Basios and N. Androulidakis*
- Segmentation-Based Caching for Mobile Auctions/ *S. Böttcher, S. Obermeier, A. Türling and J.H. Wiesner*
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- Using Resource Management Games for Mobile Phones to Teach Social Behaviour/ *T. Bitterberg, H. Hildmann and C. Branki*

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- E-Services: Paving the Way for Mobile Clients/ *G. Ortiz*
- Enhancing the Expressivity of PADL for Specifying Web Services Architectures/ *G. Díaz, M-E. Cambroner, M.L. Tobarra, V. Valero and F.L. Pelayo*
- Applying Usability Patterns in e-Commerce Applications/ *F. Montero, V. López-Jaquero and J.P. Molina*
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AutoMoCo: Autonomic Computing and Mobile Commerce

- A Scalable Governance Model for Autonomic M-Commerce/ *M. Randles and A. Taleb-Bendiab*
- Semantic Transaction Processing in Mobile Computing/ *F. Laux, T. Lessner and M. Laiho*
- Support for M-Commerce Software Autonomy/ *T. Baker, A. Taleb-Bendiab and M. Randles*

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